Balaji Babu

List of Publications by Year
in descending order

44	499	623188	752256
papers	citations	14 h-index	20 g-index

44	44	44	628
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoactivated cytotoxicity of ferrocenyl-terpyridine oxovanadium(IV) complexes of curcuminoids. European Journal of Medicinal Chemistry, 2014, 85, 458-467.	2.6	49
2	Photoactivated DNA cleavage and anticancer activity of oxovanadium(IV) complexes of curcumin. Inorganica Chimica Acta, 2013, 400, 142-150.	1.2	29
3	Ferrocenyl-<scp>l</scp>-amino acid copper(<scp>ii</scp>) complexes showing remarkable photo-induced anticancer activity in visible light. Dalton Transactions, 2014, 43, 11988.	1.6	26
4	Sn(<scp>iv</scp>) N-confused porphyrins as photosensitizer dyes for photodynamic therapy in the near IR region. Dalton Transactions, 2020, 49, 15180-15183.	1.6	26
5	Non-aggregated lipophilic water-soluble tin porphyrins as photosensitizers for photodynamic therapy and photodynamic antimicrobial chemotherapy. New Journal of Chemistry, 2020, 44, 11006-11012.	1.4	25
6	Ferrocene-Conjugated Oxidovanadium(IV) Complexes as Potent Near-IR Light Photocytotoxic Agents. European Journal of Inorganic Chemistry, 2012, 2012, 126-135.	1.0	24
7	Photophysicochemical properties and photodynamic therapy activity of chloroindium(III) tetraarylporphyrins and their gold nanoparticle conjugates. Journal of Porphyrins and Phthalocyanines, 2019, 23, 34-45.	0.4	22
8	Photocytotoxic oxovanadium(IV) complexes of ferrocenyl-terpyridine and acetylacetonate derivatives. European Journal of Medicinal Chemistry, 2015, 92, 332-341.	2.6	21
9	Synthesis, characterization and photodynamic activity of Sn(<scp>iv</scp>) triarylcorroles with red-shifted Q bands. New Journal of Chemistry, 2019, 43, 18805-18812.	1.4	20
10	Preparation of NIR absorbing axial substituted tin(<scp>iv</scp>) porphyrins and their photocytotoxic properties. MedChemComm, 2019, 10, 41-48.	3.5	19
11	Thien-2-yl substituted chlorins as photosensitizers for photodynamic therapy and photodynamic antimicrobial chemotherapy. Dyes and Pigments, 2021, 185, 108886.	2.0	18
12	Positively charged styryl pyridine substituted Zn(<scp>ii</scp>) phthalocyanines for photodynamic therapy and photoantimicrobial chemotherapy: effect of the number of charges. Dalton Transactions, 2021, 50, 9129-9136.	1.6	17
13	Susceptibility of Staphylococcus aureus to porphyrin-silver nanoparticle mediated photodynamic antimicrobial chemotherapy. Journal of Luminescence, 2020, 222, 117158.	1.5	16
14	Sn(IV) porphyrin-biotin decorated nitrogen doped graphene quantum dots nanohybrids for photodynamic therapy. Polyhedron, 2022, 213, 115624.	1.0	16
15	Acetyl analogs of combretastatin A-4: Synthesis and biological studies. Bioorganic and Medicinal Chemistry, 2011, 19, 2359-2367.	1.4	15
16	AzaHx, a novel fluorescent, DNA minor groove and GÂ·C recognition element: Synthesis and DNA binding properties of a p-anisyl-4-aza-benzimidazole-pyrrole-imidazole (azaHx-PI) polyamide. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3681-3685.	1.0	13
17	A comparative study of the photophysicochemical and photodynamic activity properties of meso-4-methylthiophenyl functionalized Sn(IV) tetraarylporphyrins and triarylcorroles. Journal of Porphyrins and Phthalocyanines, 2020, 24, 1138-1145.	0.4	12
18	The photodynamic activities of the gold nanoparticle conjugates of phosphorus(V) and gallium(III) A3 meso-triarylcorroles. Dyes and Pigments, 2021, 194, 109631.	2.0	12

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19	A heavy-atom-free Ï€-extended N-confused porphyrin as a photosensitizer for photodynamic therapy. New Journal of Chemistry, 2021, 45, 5654-5658.	1.4	11
20	Novel cationic-chalcone phthalocyanines for photodynamic therapy eradication of S. aureus and E. coli bacterial biofilms and MCF-7 breast cancer. Photodiagnosis and Photodynamic Therapy, 2022, 38, 102863.	1.3	11
21	Design, synthesis and DNA binding properties of orthogonally positioned diamino containing polyamide f-IPI. Biochemical and Biophysical Research Communications, 2011, 404, 848-852.	1.0	10
22	The photophysicochemical properties and photodynamic therapy activity of In and Zn phthalocyanines when incorporated into individual or mixed PluronicÂ® micelles. Polyhedron, 2020, 188, 114683.	1.0	9
23	Design and synthesis of novel enhanced water soluble hydroxyethyl analogs of combretastatin A-4. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2087-2091.	1.0	8
24	Mitochondria-Targeting Photocytotoxic Ferrocenyl Conjugates ofN-Alkylpyridinium Salts. European Journal of Inorganic Chemistry, 2015, 2015, 1398-1407.	1.0	8
25	Photodynamic activity of Sn(<scp>iv</scp>) tetrathien-2-ylchlorin against MCF-7 breast cancer cells. Dalton Transactions, 2021, 50, 2177-2182.	1.6	8
26	The investigation of in vitro dark cytotoxicity and photodynamic therapy effect of a 2,6-dibromo-3,5-distyryl BODIPY dye encapsulated in Pluronic^{Â®} F-127 micelles. Journal of Coordination Chemistry, 2018, 71, 3444-3457.	0.8	7
27	An octabrominated Sn(<scp>iv</scp>) tetraisopropylporphyrin as a photosensitizer dye for singlet oxygen biomedical applications. Dalton Transactions, 2020, 49, 9568-9573.	1.6	7
28	Photodynamic antimicrobial chemotherapy of asymmetric porphyrin-silver conjugates towards photoinactivation of Staphylococcus aureus. Journal of Coordination Chemistry, 2020, 73, 593-608.	0.8	7
29	Synthesis and antiprotozoal activity of 1,2,3,4-tetrahydro-2-thioxopyrimidine analogs of combretastatin A-4. Medicinal Chemistry Research, 2011, 20, 364-369.	1.1	5
30	Photodynamic Antitumor and Antimicrobial Activities of Freeâ€Base Tetra(4â€methylthiolphenyl)chlorin and Its Tin(IV) Complex. ChemPlusChem, 2022, 87, .	1.3	5
31	Photodynamic activity of Sn(IV) meso-tetraacenaphthylporphyrin and its methyl-Î²-cyclodextrin inclusion complexes on MCF-7 breast cancer cells. Journal of Porphyrins and Phthalocyanines, 2019, 23, 1486-1494.	0.4	4
32	A Sn(<scp>iv</scp>) porphyrin with mitochondria targeting properties for enhanced photodynamic activity against MCF-7 cells. New Journal of Chemistry, 2022, 46, 5288-5295.	1.4	4
33	The photophysicochemical properties and photodynamic therapy activity of Schiff base substituted phthalocyanines doped into silica nanoparticles and conjugated to folic acid. Polyhedron, 2021, 203, 115227.	1.0	3
34	Synthesis and DNA-binding properties of 1,2,3-triazole-linked H-pin pyrrole- and imidazole-containing polyamides formed by the Huisgen reaction. Heterocyclic Communications, 2012, 18, .	0.6	2
35	Photodynamic activity of 2,6-dibrominated dimethylaminophenylbuta-1,3-dienylBODIPY dyes. Journal of Porphyrins and Phthalocyanines, 2021, 25, 47-55.	0.4	2
36	Photocytotoxicity of heavy-atom-free thiobarbituric acid functionalized pyrene derivatives against MCF-7 cancer cells. Photodiagnosis and Photodynamic Therapy, 2021, 33, 102102.	1.3	2

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37	Photodynamic activity and photoantimicrobial chemotherapy studies of ferrocene-substituted 2-thiobarbituric acid. Bioorganic and Medicinal Chemistry Letters, 2021, 40, 127922.	1.0	2
38	Synthesis and cytotoxicity of 1-phenylethanolamine carboxamide derivatives: effects on the cell cycle. Medicinal Chemistry Research, 2010, 19, 1141-1152.	1.1	1
39	Synthesis and biophysical studies of hairpin polyamides targeting the Brn-3b and GATA-3 transcriptional sites. Heterocyclic Communications, 2010, 16, .	0.6	1
40	DNA sequence-selective monoheterocyclic analog of Hoechst 33258: cytotoxicity and antiparasitic properties. Heterocyclic Communications, 2010, 16, .	0.6	1
41	Photodynamic activity of 2,6-diiodo-3,5-dithienylvinyleneBODIPYs and their folate-functionalized chitosan-coated PluronicÂ® F-127 micelles on MCF-7 breast cancer cells. Journal of Porphyrins and Phthalocyanines, 2020, 24, 973-984.	0.4	1
42	Photodynamic activity of Sn(IV) meso-tetraacenaphthylporphyrin and its methyl-Î²-cyclodextrin inclusion complexes on MCF-7 breast cancer cells. , 2021, , 376-384.		0
43	Photophysicochemical properties and photodynamic therapy activity of chloroindium(III) tetraarylporphyrins and their gold nanoparticle conjugates. , 2021, , 207-218.		0
44	Naked Eye and Colorimetric Detection of Cyanide with a 1,3â€Diethylâ€2â€thiobarbituric Acid Substituted Ferrocene Chemosensor. ChemistrySelect, 2021, 6, 1448-1452.	0.7	0